

SHEAR LINE type VR322 - TECHNICAL FEATURES

Heavy duty, fully Automatic, programmable, CNC Shear-line series for straight re-bar measuring and cutting.

Working range (UTS 650N/mm ²)	Ø8 - Ø32					
	Capacity:	5 Ø8	5 Ø10	4 Ø12	4 Ø14	3 Ø16
2 Ø20		2 Ø22	1 Ø25	1 Ø28	1 Ø32	
Advance speed:	95m / min.					
Length measurement accuracy:	± 1 mm					
Cutting Velocity:	60 pulses/min					
Channels for re-bar sorting and collecting	3					
Installed Power :	18 Kw					
Electrical voltage:	380V					
Control Panel Electrical Voltage:	24V					
Dimensions (L x W x H):	12000 x 2200 x 1700 mm					
Weight :	4500 Kg					

***GALANOS SA" reserves the right to modify the above mentioned data without previous notice **

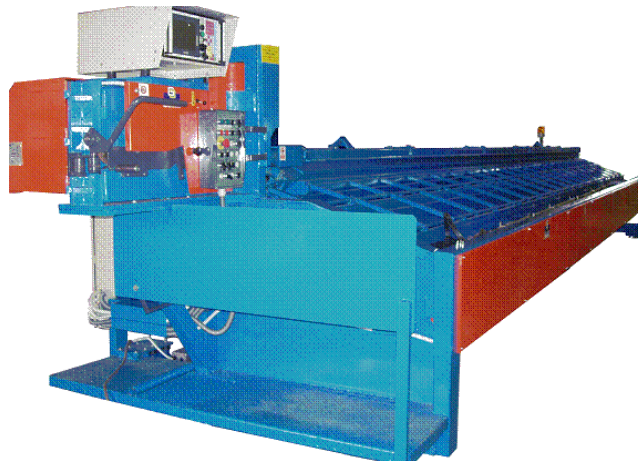
Mobile or fixed versions are available. Sorting and Stacking unit with up to three channels is available. The unit is moved to the loading point by the operator (mobile one). Once the straight bars are loaded into the feeding channel the machine proceeds with the automatic measurement, cutting, sorting and stacking of the cut to length bars.

Optional units:

- Tilting bench is available
- The shear line can be combined with the KAMPSI series of twin bender

The shear line consists of the following main items:

1. Stacking channel
2. Feeding and measuring unit
3. Stacking and Sorting unit
4. Control panel
5. Hydraulic unit
6. Pneumatic unit
7. Electrical/electronic unit



The machine is equipped with up to three roller conveyors for easy transfer of the cut to length bars. Electric-motor powered rollers covered with plastic (anti-friction coating) are available.

Automatic sorting and stacking of the cut to length bars with the help of mobile boomerangs. They open and close with the aid of pneumatic pistons.

The roller conveyors movement is controlled by the operator, via either the electrical panel controls or the remote control device.

2. Advance and cutting head

The feeding and cutting unit is equipped with three advance cogwheels, hydraulically powered and placed just before the cutting tool. Free moving plastic and metallic rollers are placed above the cogwheels mentioned. The measuring encoder is linked up the one of the free rollers.

Cutting process via hydraulic pressure.

Triangle-shaped blades are available. Six cutting edges are available before blades replacement (patent).

Manually re-bar loading. The re-bar edges are introduced into a mobile clasp. Following they are laterally moved towards the advance rollers. The procedure is aided by a manually arm.

The cut to length pieces produced from a bar may have the same or different lengths. This option is available via the PC. In case that the produced pieces have different lengths, they can be stacked into different bins.

3. Control panel

Two controls are available. One of them is placed above the feeding and cutting head (built-in industrial PC available), while a touch screen along with an additional keyboard are placed on the main control panel.

During programming, the length and the quantity of the rods as well as the stacking channel selected are monitored.

Furthermore, various more data are visualized on the screen (e.g.: quantity, Kg, etc.)

All command buttons are placed on the 2nd control panel.

Programming (in WINDOWS environment):

- α) via keyboard
- β) via touch screen
- γ) USB memory stick

4. Hydraulic unit

All hydraulic components are only supplied by "VICKERS", "DANFOSS" and "YUKEN".

5. Pneumatic unit

The machine is equipped with air compressor.

The following units are air-pressure powered: tilting stacking; boomerangs' open-close function; measuring rollers adjustment.

6. Electrical/Electronic unit

All electrical/electronic components are only supplied by ABB.

☞ *One set of tools as well as some consumable spare parts are included.*